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Dooley

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(54) **MULTIPLE SIGNATURE FEEDER SYSTEM**(75) Inventor: **Ronald E. Dooley**, Mattoon, IL (US)(73) Assignee: **R. R. Donnelley & Sons Co.**, Chicago, IL (US)

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(57) **ABSTRACT**

A binding line having increased capacity and increased flexibility to deliver customized or personalized signatures to the gathering conveyor in order to customize or personalize the content of a book to appeal to targeted demographic groups or individuals. The binding line includes a gathering conveyor, a plurality of packer boxes positioned along the gathering conveyor, each of the packer boxes being adapted to deliver a distinct signature to the conveyor, and a feeder system operatively associated with at least one of the packer boxes. The feeder system includes a feed conveyor and a plurality of feeder boxes, each of the feeder boxes being adapted to deliver a selected signature to the associated packer box. A primary controller is provided for activating a selected set of the packer boxes, thereby delivering a set of signatures to the gathering conveyor. The primary controller further activates a selected one of the feeder boxes, thereby delivering a selected signature from the feeder system to the selected packer box. Preferably, a printer is provided for imprinting a customized or personalized message on each of the signatures selected from the feeder system prior to delivery to the associated packer box.

15 Claims, 3 Drawing Sheets